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Notice of Allowability	Application No.	Applicant(s)	-446
	10/603,228	SMITH, CAREY A.	
	Examiner	Art Unit	
	Michael A. Lyons	2877	· · · · · · · · · · · · · · · · · · ·
The MAILING DATE of this communication appeared all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due cou	urse. THIS
1. This communication is responsive to Original filing of 25 July	<u>une 2003</u> .		
2. The allowed claim(s) is/are <u>1-20</u> .			
3. \boxtimes The drawings filed on <u>25 June 2003</u> are accepted by the E	xaminer.		
 4. Acknowledgment is made of a claim for foreign priority upon a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application No		n from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the require	rements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv			TICE OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers hereto or 2) including to Paper No./Mail Date including changes required by the attached Examiner Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the second of the sheet in the second of t	son's Patent Drawing Review(PTO. s Amendment / Comment or in the C	Office action of ngs in the front (not the ba	ıck) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL I FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Not :AL MATERIAL.	e the
 Attachment(s) 1. ⋈ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ⋈ Information Disclosure Statements (PTO-1449 or PTO/SB/t Paper No./Mail Date 100603 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amendi 8. Examiner's Stateme 9. Other Greg	r (PTO-413), te ment/Comment	

DETAILED ACTION

Allowable Subject Matter

Claims 1-20 are allowed in view of the prior art.

The following is an examiner's statement of reasons for allowance:

As to claims 1 and 12, the prior art of record, taken either alone or in combination, fails to disclose or render obvious an adaptive optics control system for distorted optical wavefronts and a corresponding method, this apparatus and method comprising the generation of a correction signal for a wavefront corrector having a plurality of actuators, this correction signal being generated by a wavefront controller that selectively adjusts the bandwidth of the correction signal based on the signal-to-noise ratio of the estimated phase calculated by a wavefront reconstructor, in combination with the rest of the limitations of the above claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Pat. 4,518,854, a combined shearing interferometer and Hartmann wavefront sensor to Hutchin, US Pat. 4,690,555, solid-state wavefront slope determination to Ellerbroek, and US Pat. 4,750,818, a phase conjugation method to Cochran.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Lyons whose telephone number is 571-272-2420. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley can be reached on 571-272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MAL July 6, 2005

Supervisory Petent Examiner